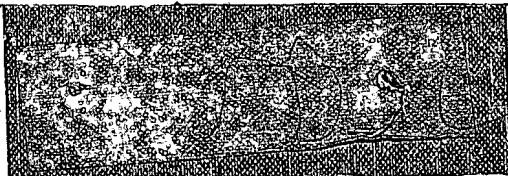


U.S. PTO
09/23/29
01/26/19
156
Class
Subclass
ISSUE CLASSIFICATION



PATENT NUMBER

6503385



6503385

U.S. UTILITY PATENT APPLICATION

① R O.I.P.E.
SCANNED CL G.A. JA

PATENT DATE

JAN 07 2003

SECTOR	CLASS 216 156	SUBCLASS 345.32	ART UNIT 1763	EXAMINER Lund and
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ISSUING CLASSIFICATION

ORIGINAL		CROSS REFERENCE(S)							
CLASS	SUBCLASS	CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)						
156	345.32	156	345.31						
INTERNATIONAL CLASSIFICATION		118	719						
C23F	1/00	414	217	222.07	222.01	222.12	935	939	
C23C	16/00	414	937	941					
B65H	1/00								
B65G	49/07								

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<input type="checkbox"/> TERMINAL DISCLAIMER <input type="checkbox"/> a) The term of this patent subsequent to _____ (date) has been disclaimed. <input type="checkbox"/> b) The term of this patent shall not extend beyond the expiration date of U.S. Patent No. _____ <input type="checkbox"/> c) The terminal _____ months of this patent have been disclaimed.	DRAWINGS Sheets Drwg. <u>7</u> Figs. Drwg. <u>10</u> Print Fig. <u>4,7</u>			CLAIMS ALLOWED Total Claims <u>30</u> Print Claim for O.G. <u>1</u>	
	(Assistant Examiner) _____ (Date) _____			NOTICE OF ALLOWANCE MAILED <u>8/22/02</u>	
	JEFFRIE R. LUND PRIMARY EXAMINER <u>Jeffrey R. Lund</u> <u>8/24/02</u> (Primary Examiner) (Date)			ISSUE FEE <u>11</u> Amount Due <u>1280</u> Date Paid <u>11-19-02</u>	
	<u>Mumma</u> <u>8/24/02</u> (Legal Instruments Examiner) (Date)			ISSUE BATCH NUMBER	

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